

SPECIFICATIONS

Unless otherwise specified, all cast-in-place concrete is to be at least 3000 psi @ 28 days, 6% air entrained.

All reinforcing steel to be at least 40,000 psi deformed bars; provide 2" concrete cover over reinforcing steel.

All exposed steel to be galvanized or painted to resist corrosion from moisture and manure gases.

All untreated framing lumber is No. 2 (or better), S-P-F species group, unless otherwise specified.

All wood indicated 'pressure-treated' is CCA pressure-treated to a net retention of 0.4 lb/ft³ (ground contact specification, CSA-O80 Wood Preservation).

All nails exposed to treated wood, humid atmosphere or weather to be hot-dip galvanized.

This plan is designed to meet the requirements of the Canadian Farm Building Code.

Notes thus marked indicate where this plan gives structural choices to be selected to meet local climatic loads (wind, snow), soil bearing capacity and other local conditions. The plan user must ensure that these requirements are met. Consult an engineer if you are not familiar with the details required.

ONE SET OF DRAWINGS AND LEAFLETS SHOULD INCLUDE:

CPS sheet
no. no. Title

- 8201 -1- Barn for riding horses (3 box stalls)
- 8201 -2- Floor plan and section
- 8201 -3- Wall sections
- 8201 -4- Door detail, ventilation and electrical plan
- Truss design and spacing to suit local snow + dead load

AND LEAFLETS

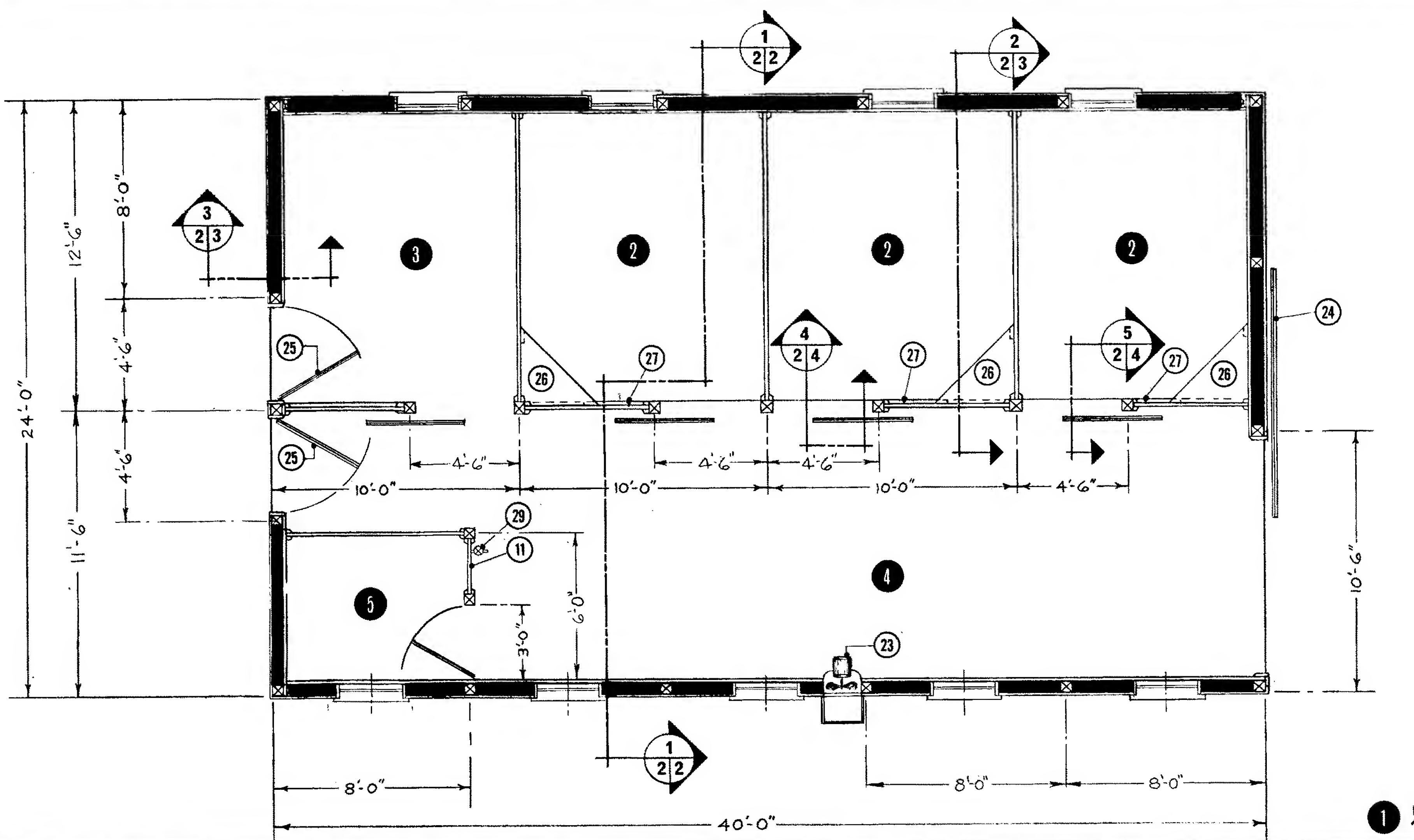
- 8201 Barn for riding horses (3 box stalls)
- 9102 Truss erection and bracing
- 9451 Rodent and bird control in farm buildings

SYM	REVISED & RE-ISSUED	HAJ	87-09	J.E.T.
	REVISIONS	CHECKED	DATE	APPROVED

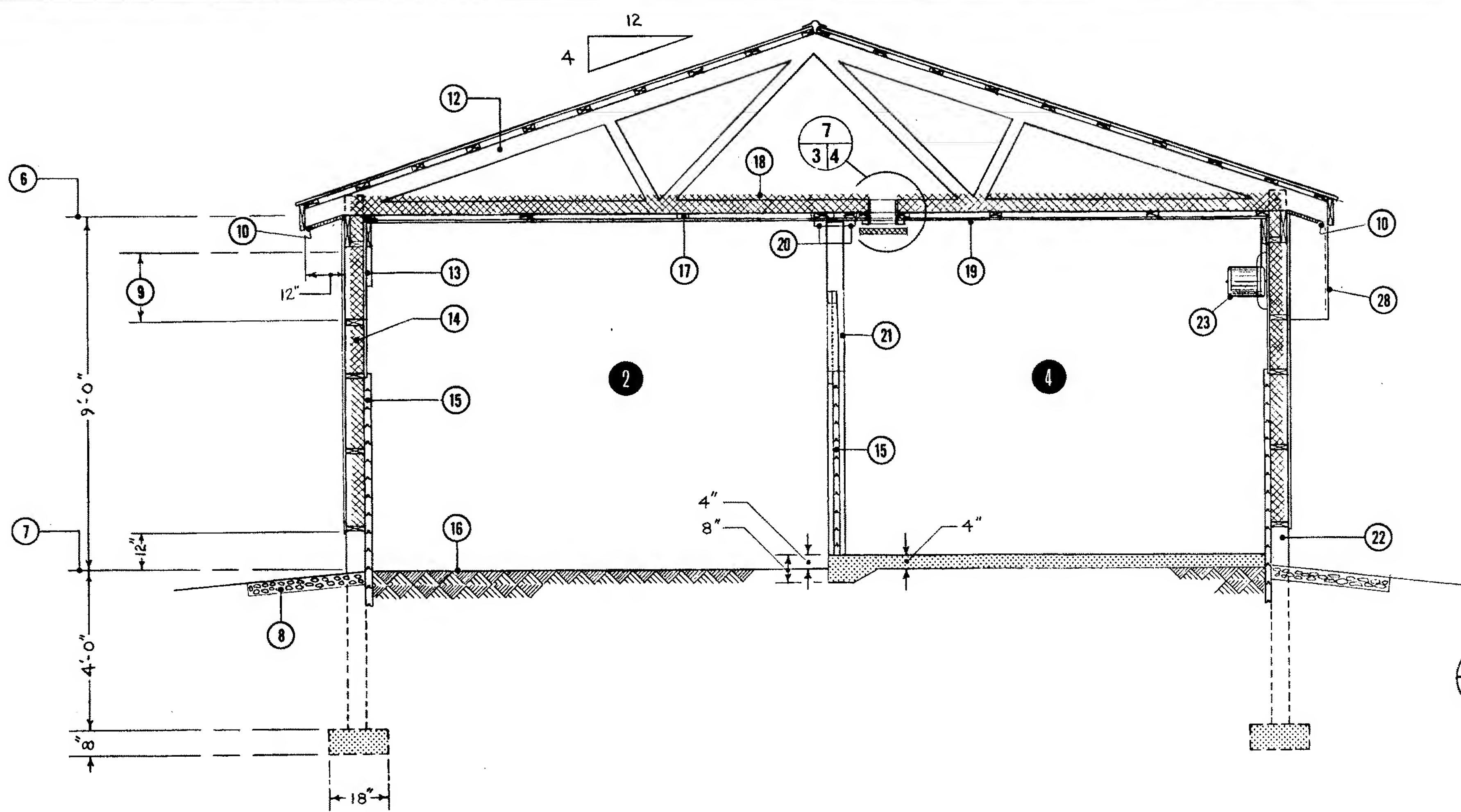


BARN FOR RIDING HORSES
(3 BOX STALLS)

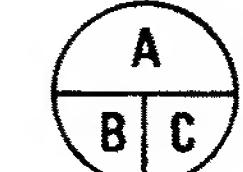
DESIGNED H.A.J.	DATE APR-72	PLAN
DRAWN LEO BLAIS	REVISED 87-09	8201
TRACED	SCALE N/A	
CHECKED J.E.T.	SHEET 1 OF	



1 plan view of 3 stall horse barn
 2 box stall, clay floor
 3 feed & bedding storage, concrete floor
 4 work alley, concrete floor
 5 tack room
 6 top of plate
 7 datum line, clay floor level
 8 3'-0" x 4" deep coarse gravel splashpad all around building (slope with grade)
 9 window location - 21" or to suit prefit window
 10 2" wide screened vent, continuous
 11 substitute stud wall, sheathed floor to ceiling if tack room is to be heated
 12 24'-0" trusses @ 4'-0" O.C. Select truss and spacing to suit local snow load.
 13 3/8" plywood, 48" high. Face grain vertical
 14 4" insulation
 15 2" x 6" T & G planking.
 16 clay floor
 17 2" x 4" nailing girts @ 4'-0" o.c.,
 18 6" insulation
 19 3/8" plywood
 20 2" x 4" blocks, 4 sides of post
 21 6" x 6" x 8'-6" posts, butts dipped in preservative
 22 6" x 6" x 14'-0" pressure treated posts @ 8'-0" o.c.
 23 exhaust fan
 24 10'x8'-4" insulated slide door, secure with 2 turnbuckle hooks recessed into each side jamb
 25 4'-0" x 8'-0" insulated door
 26 hay manger
 27 screw eye for feed or water bucket
 28 fan exhaust hood. Open at bottom only.
 29 hose bib. use frost proof hydrant if there is risk of freezing



A Detail No.
 B Sheet No. On Which Detail Originates
 C Sheet No. On Which Detail is Shown



A

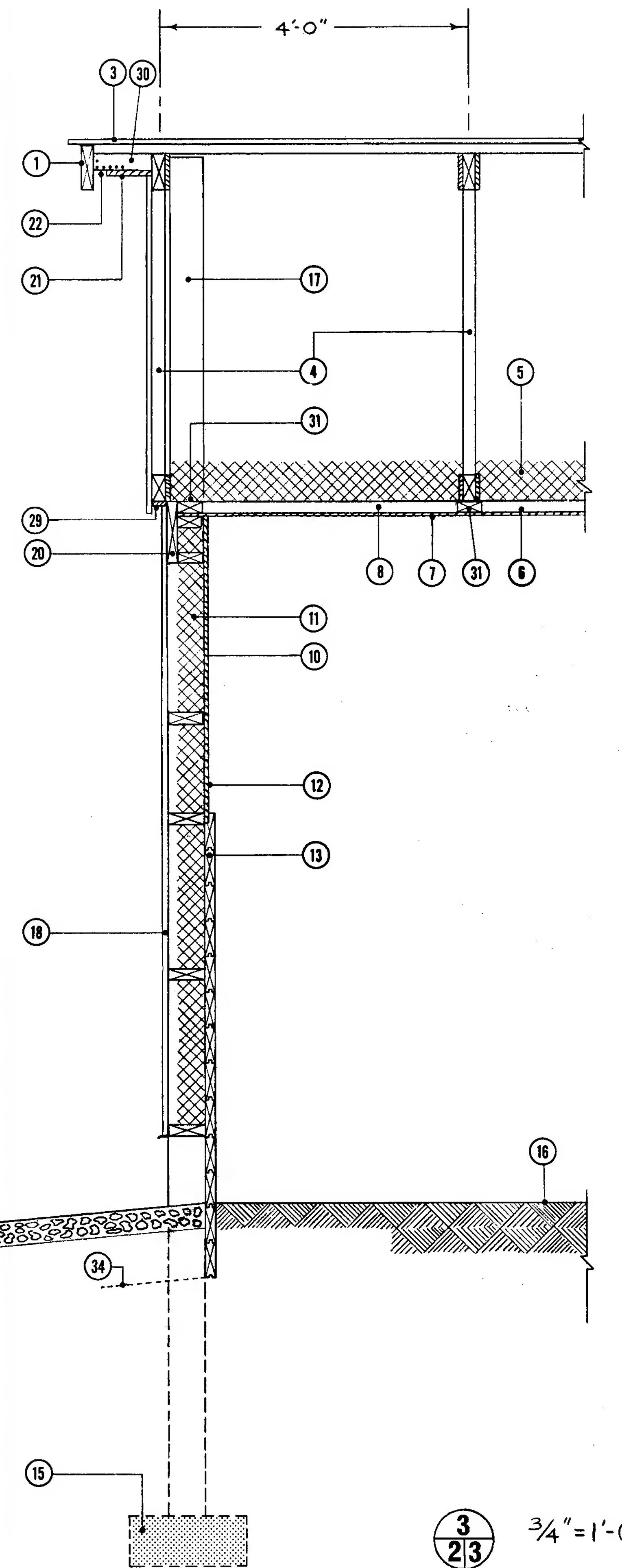
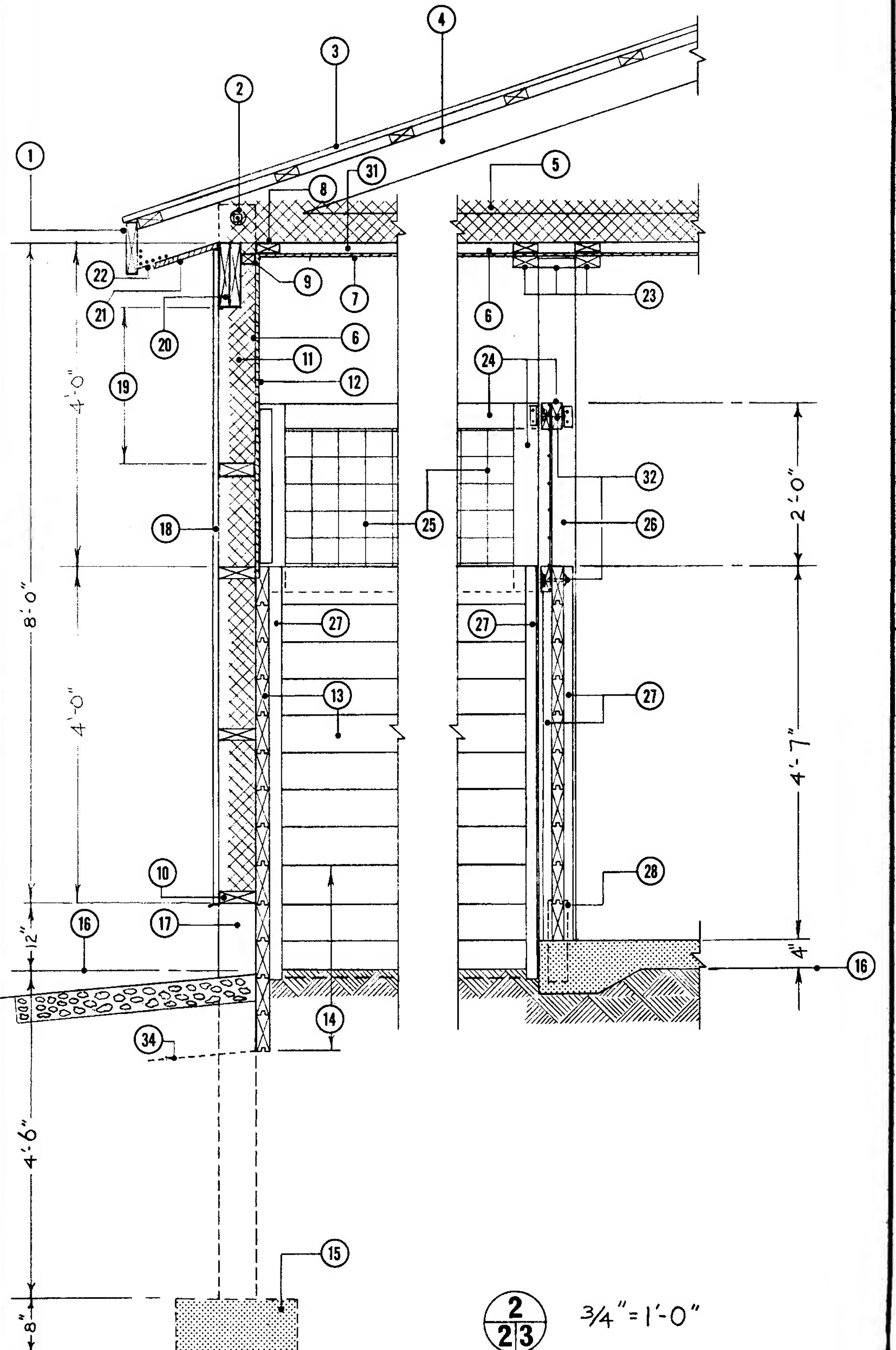
B

C

SYM	REVISIONS	CHECKED	DATE	APPROVED
CANADA FARM BUILDING PLAN SERVICE				
FLOOR PLAN AND SECTION				
DESIGNED H.A.J.	DATE APR/72	PLAN		
DRAWN J.C.	REVISED	8201		
TRACED	SCALE			
CHECKED J.E.T.	AS SHOWN			
SHEET 2 OF				

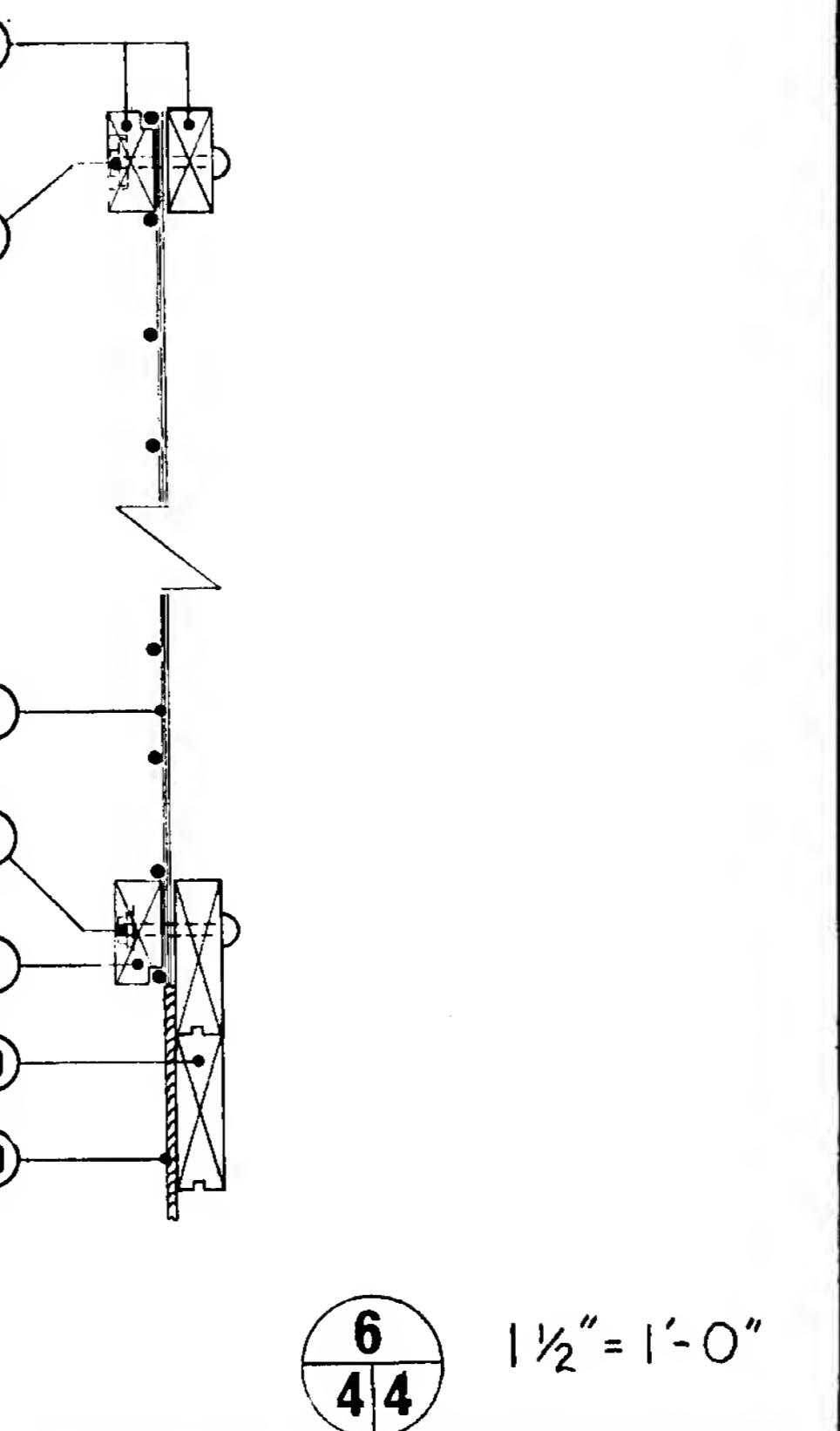
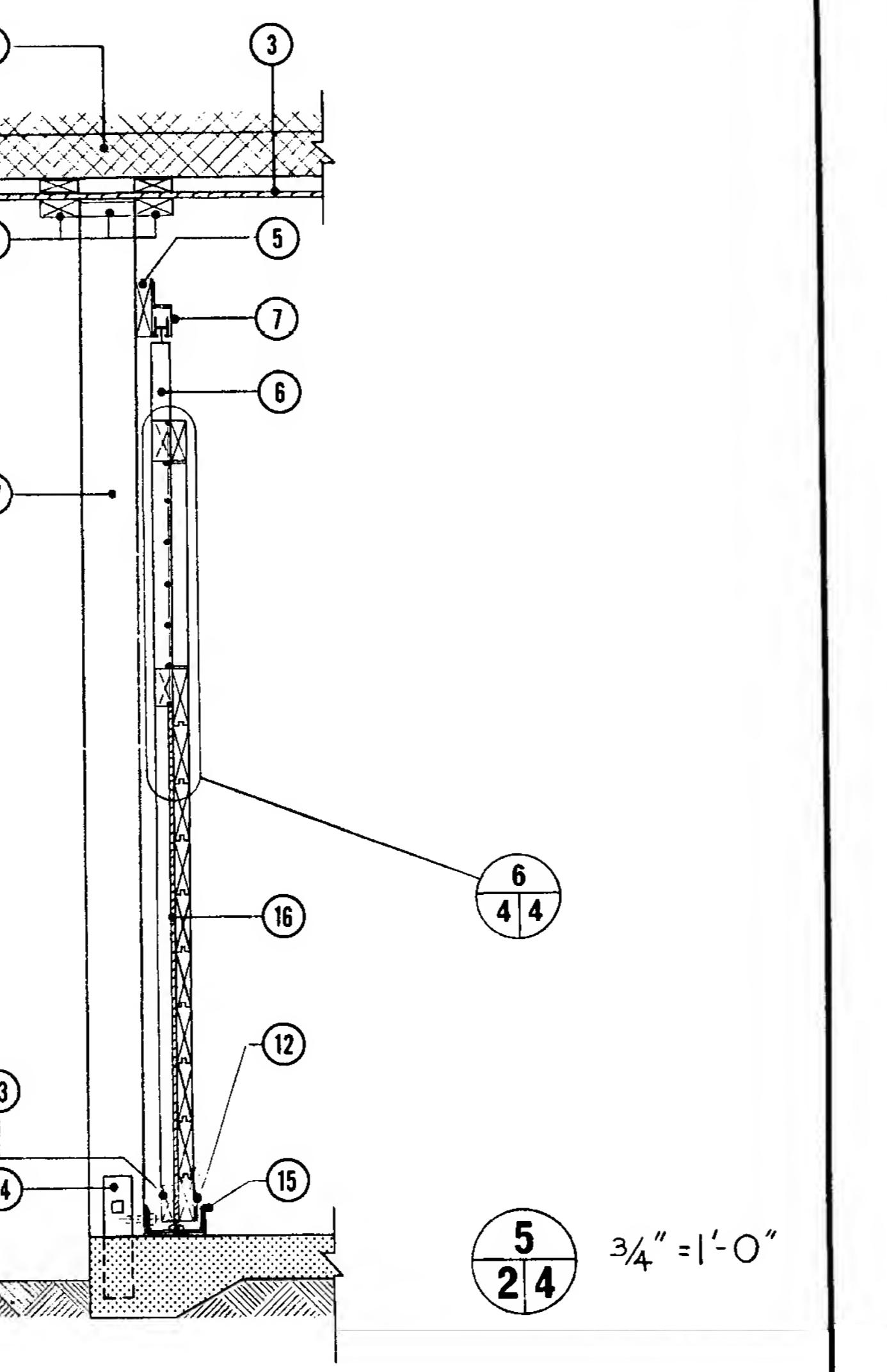
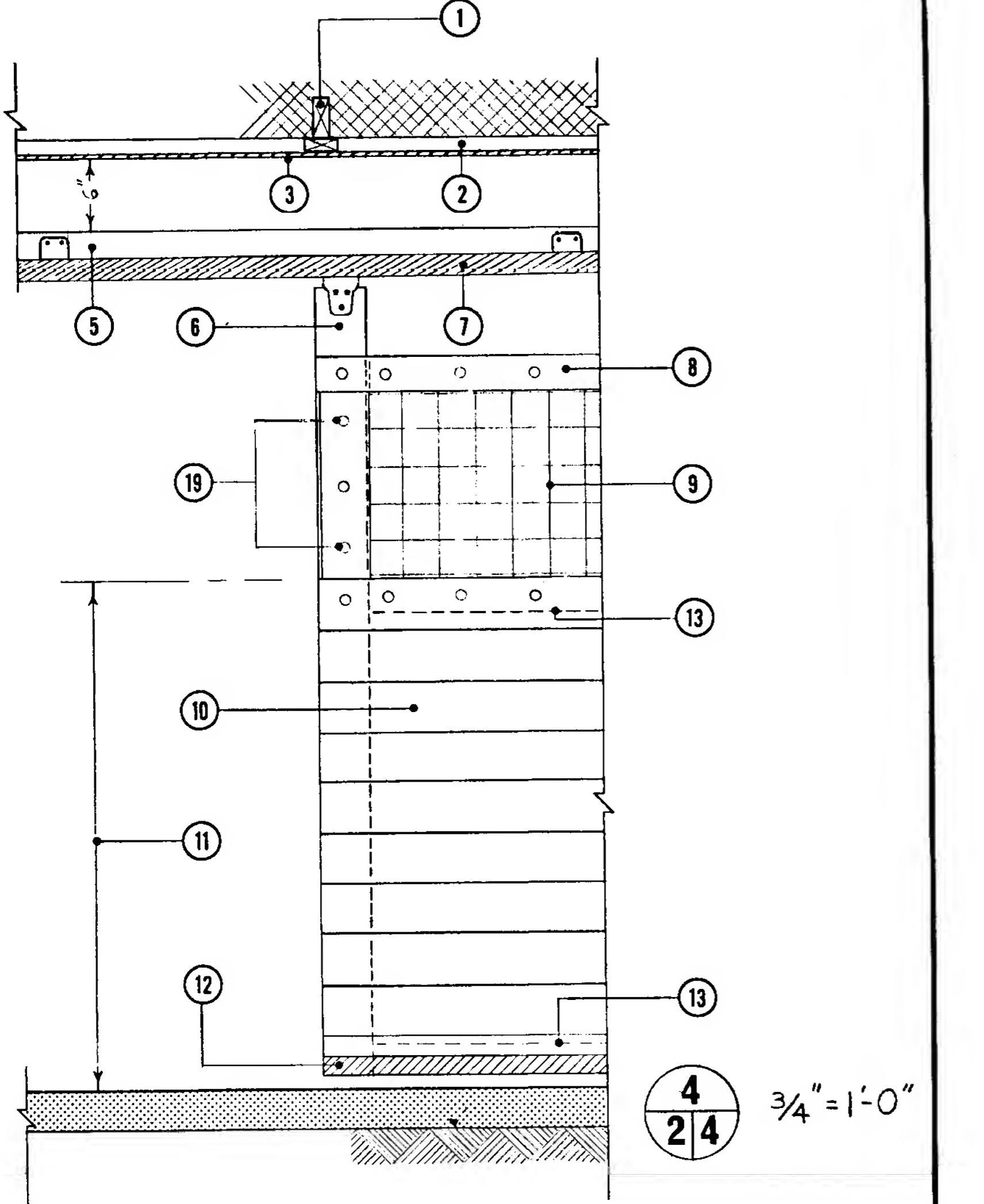
Table 20 Plate beam safe uniform total roof loads, kPa

Plate beam	No. 2 S-P-F			No. 2 D. Fir					
	Truss spacing, inches on center			48	32	24	48	32	24
2 - 2 x 8	2.41	2.03	1.93	2.04	1.72	1.64			
2 - 2 x 10	3.60	2.92	2.63	3.05	2.57	2.45			

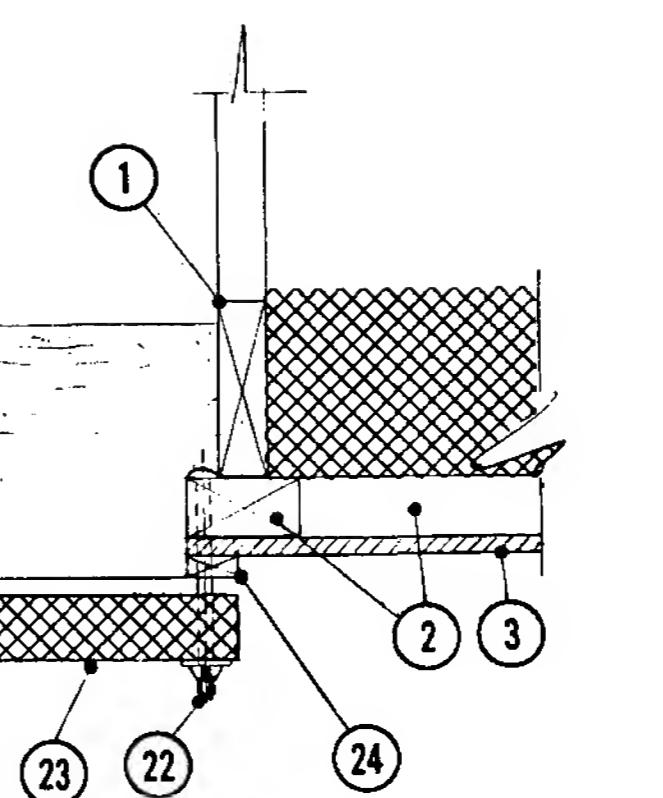
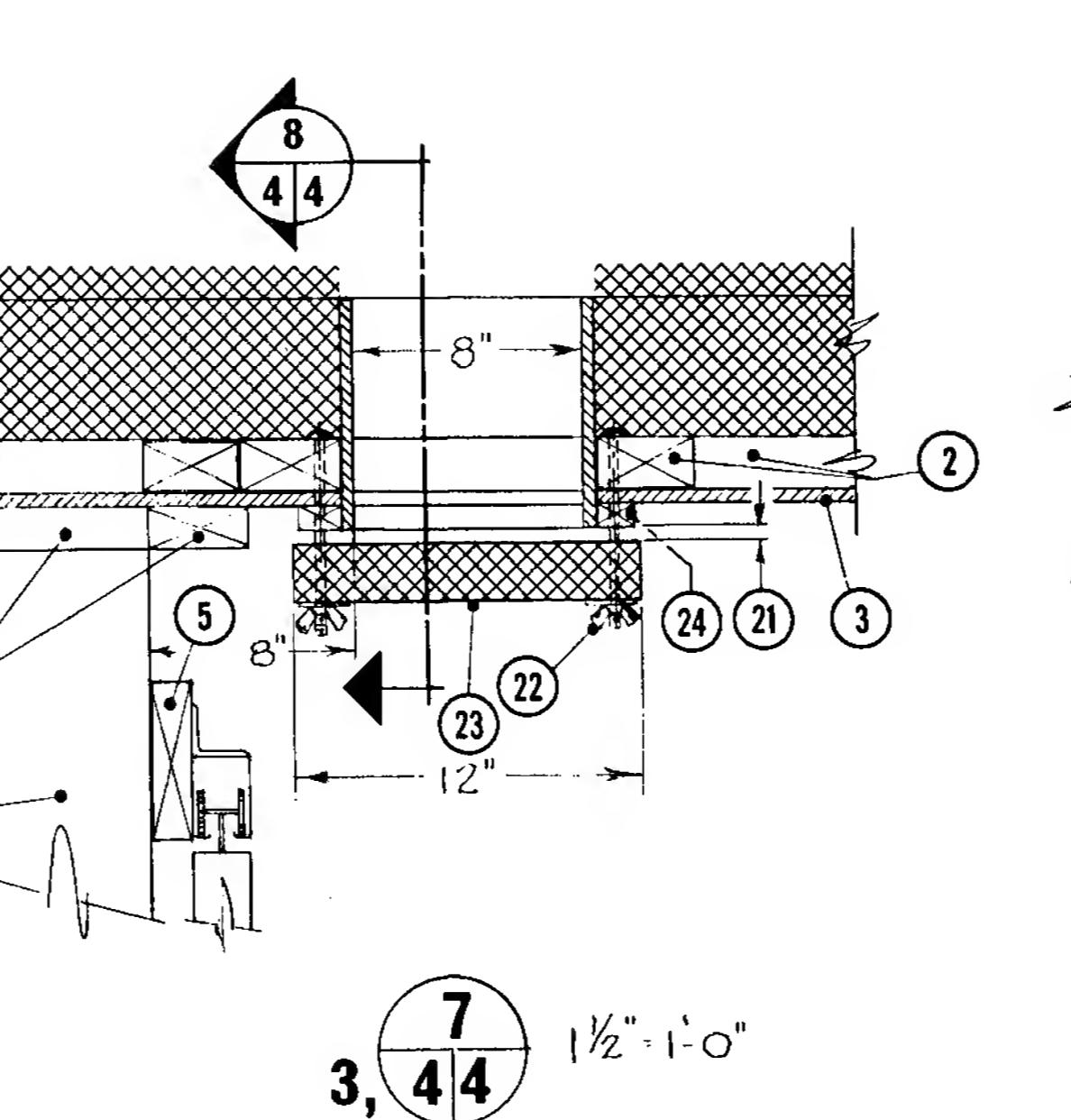
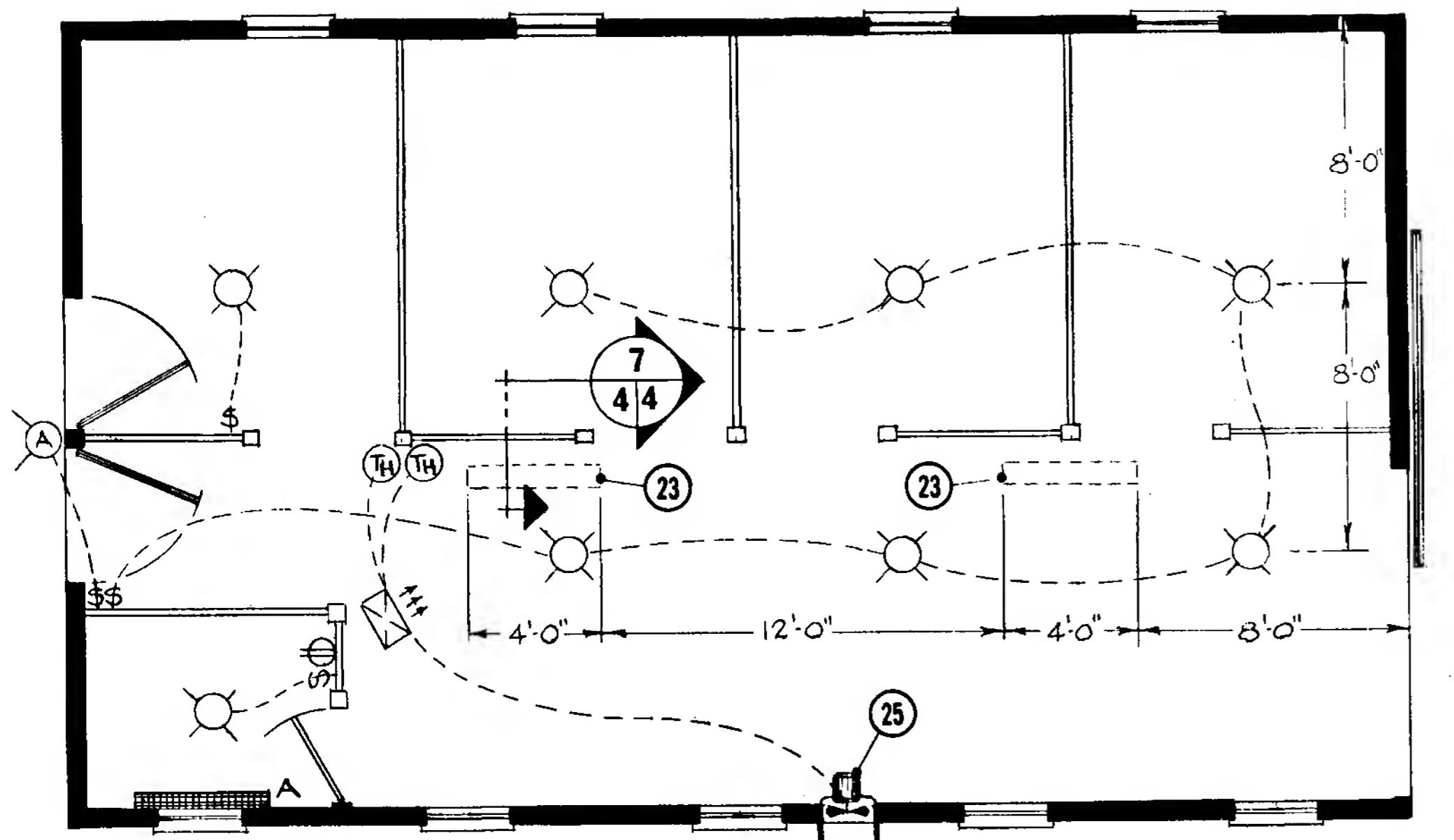


- 1 2" x 8" face board
- 2 1/2" Ø bolt truss to post and 4" x 4" blocking at intermediate trusses
- 3 metal roofing on 2" x 4" purlins or 210-lb. asphalt shingles over 3/8" plywood
- 4 24'-0" trusses @ 4'-0" o.c. Select truss and spacing to suit local snow load End wall trusses to have gussets on inside face only
- 5 6" friction fit insulation batts laid perpendicular to trusses
- 6 4 mil polyethylene vapour barrier
- 7 3/8" plywood ceiling
- 8 2" x 4" ceiling girts @ 4'-0" o.c.
- 9 2" blocking
- 10 2" x 6" horizontal girts, bottom girt pressure treated
- 11 4" friction fit insulation batts
- 12 3/8" plywood interior sheathing, face grain vertical
- 13 2" x 6" x 16'-0" T & G splash planking. Stagger joints at 8'-0" on posts. Rabbet top plank 3/8" x 1/2" for plywood and nail through into girt.
- 14 2" x 6" T & G planking. Bottom 5 planks in outside wall to be pressure treated.
- 15 18" dia x 8" min. concrete footing @ 8'-0" o.c.
- 16 datum line
- 17 6" x 6" pressure treated posts
- 18 vertical wood or metal siding over 15 lb. asphalt felt wind stop
- 19 window location. 21" or to suit prefit windows
- 20 double 16' plate beam (3 in end spans), joints staggered 8' at poles, see Table 20
- 21 3/4" plywood or lumber soffit
- 22 2" continuous air vent with 1/2" x 1" galv. hardware cloth bird screen
- 23 2" x 4" blocks, 4 sides of post, block above ceiling
- 24 2" x 4" framing, attach to posts with steel angle and lag bolts
- 25 4" x 4" 6/6 welded wire mesh
- 26 6" x 6" x 8'-6" posts, butts dipped in preservative
- 27 2" x 2" verticals both sides at posts and walls
- 28 1/2" x 3" x 24" U-strap in concrete, 1/2" bolt thru post
- 29 3/4" filler
- 30 2" x 3" blocking @ 36" O.C.
- 31 2"x4" blocking at each truss, between girts ⑧
- 32 bolts as in ⑥
- 33 2" x 6" x 12" scab at post
- 34 1/2" x 1/2" x 18" galv. hardware cloth fitted and stapled to pole & planking

REVISED & RE-ISSUED	MAJ	87-09	JET
SYM	REVISIONS	CHECKED	DATE APPROVED
CANADA FARM BUILDING PLAN SERVICE			
WALL SECTIONS		PLAN 8201	
A Detail No.	DESIGNED H.A.J.	DATE APR./72	8201
B Sheet No. On Which Detail Originates	DRAWN J.C.	REVISED 87-09	
C Sheet No. On Which Detail is Shown	TRACED	SCALE 3/4"=1'-0"	
	CHECKED J.E.T.		SHEET 3 OF



1	24'-0" trusses @ 4'-0" o.c., select truss and spacing to suit local snow load
2	2" x 4" nailing girts @ 4'-0" o.c.
3	3/8" plywood ceiling
4	ventilation and electrical plan
5	2" x 6" track board
6	2" x 6" uprights
7	commercial door track, slope to close door
8	2" x 4" framing
9	4" x 4" 6/6 welded wire mesh
10	2" x 6" T&G planking
11	make this height match stall dividers
12	2" wide galvanized metal strap
13	2" x 4" framing behind
14	1/2" x 3" x 24" U-strap in concrete, 1/2" bolt thru post
15	door guide, two angle irons welded together
16	1/4" plywood
17	6" x 6" x 8'-6" post
18	2" x 4" blocks 4 sides of post, block above ceiling
19	3/8" carriage bolts @ 12" o.c., nuts recessed
20	1/4" plywood used at doors only and not at stall dividers
21	adjust inlet slot 1/8" for cold winter weather, 3/8" for mild weather, closed for hot summer weather (open doors)
22	1/4" plated carriage bolts, washer & wing nuts for inlet adjustments, 6 per inlet
23	2" extruded polystyrene baffle over
24	1" x 2" trim, 4 sides of opening
25	variable speed exhaust fan 150 to 500 CPM



\$	lighting switch
(A)	150 watt par 30 floodlight
(B)	100 watt incandescent pigtail light fixture
(C)	115 volts, duplex convenience outlet
(T)	ventilation thermostat
-----	1 KW base board unit heater (with thermostat) if tack room has insulated walls floor to ceiling
↑↑↑	fan forced unit heater, bracket hung

SYM	REVISIONS	CHECKED	DATE	APPROVED

CANADA FARM BUILDING PLAN SERVICE

DOOR DETAIL
VENTILATION AND ELECTRICAL PLAN

A Detail No.
B Sheet No. On Which Detail Originates
C Sheet No. On Which Detail is Shown

DESIGNED H.A.J.	DATE APR-72	PLAN
DRAWN J.C. & L.B.	-REVISED	8201
TRACED	SCALE	
CHECKED J.E.T.	AS SHOWN	